Page 2 of 6

		--	450 20 01
	Attorney Docket: 2458-4042US5	Serial No.: 10/019,342	
FORM PTO-1449	Applicant: DENTON, et al.		
INFORMATION DISCLOSURE CITATION	Filing Date: December 21, 2001	Group Att Unit: TBA	

1	5,972,604	10/26/1999	Santamaria et al			
	5,858,659	01/12/1999	Sapolsky et al.			
	5,187,775	2/16/1993	Schroeder et al.			
	5,867,402	2/2/1999	Schneider et al	 		
	6,023,659	2/8/2000	Seilhamer et al.	 		
	5,096,557	03/17/1992	Simons			
	5,192,659	03/09/1993	Simons			
	5,612,179	03/18/1997	Simons			
	5,789,568	08/04/1998	Simons	 		
	5,851,762	12/22/1998	Simons			
	5,724,253	3/3/1998	Skovira	 		
	5,834,189	11/10/1998	Stevens et al.		, , , , , , , , , , , , , , , , , , , ,	
	5,618,672	4/8/1997	Stodola et al.			
	5,885,776	03/23/1999	Stone et al.	 		
	5,502,773	3/26/1996	Tibbetts et al.	 		

	(A. A. A	i i i i i i i i i i i i i i i i i i i	AACKAZATERNIEDOCOVIOSELSE Die Samerican de Covioselse			100 E
Examiner	Total Control of the	Publication	Surger (1986) - (1986) - (1986) - (1986) - (1986) - (1986) - (1986) - (1986) - (1986) - (1986) - (1986) - (1986)			
Initial	Patent Number	Date	Country	Class	Sub-Class	Translation
	WO 87/02802	5/7/1987	PCT			Yes No
	WO 91/05302	4/18/1991	PCT			Yes No
	WO 92/01066	1/23/1992	PCT			Yes No
	WO 95/17524	6/29/1995	PCT			☐ Yes ☐ No
	WO 95/10805	4/20/1995	PCT			☐ Yes ☐ No
· · · · · · · · · · · · · · · · · · ·	WO 97/40462	10/30/1997	PCT			Yes No
	WO 99/05323	02/04/1999	PCT			☐ Yes ☐ No
,t	WO 99/05324	02/04/1999	PCT			☐ Yes ☐ No
	WO 99/11822	3/11/1999	PCT			Yes No
	WO 99/54500	10/28/1999	PCT			☐ Yes ☐ No
	WO 99/57308					☐ Yes ☐ No
	WO 99/64626	12/16/1999	PCT			Yes No
	WO 99/64627	12/16/1999	PCT			☐ Yes ☐ No
	WO 00/33161	06/08/2000	PCT			☐ Yes ☐ No
	WO 00/50639A2		DOW			☐ Yes ☐ No
	(cd format)	1	PCT			
	WO 00/50639A3		DOT	Ţ		☐ Yes ☐ No
	(cd format)	j	PCT	<u> </u>		
	WO 01/91026	11/29/2001	PCT		<u> </u>	Yes No
	WO 02/064617	08/22/2002	PCT			☐ Yes ☐ No
	EP 0245466B1	5/25/1994	EP			☐ Yes ☐ No
	BP 0336560A2	10/11/1989	EP			Yes No
	BP 0336560A3	10/11/1989	EP			Ycs No
	EP 0336560B1	11/30/1994	RP			☐ Ycs ☐ No
•	EP 0404682A2	12/27/1990	RP			, Yea No
-	EP 0404682B1	12/27/1990	EP			Yes No

	Et 0404082B1 12/2/11330 22				
Examiner		Date Considered	·		
EXAMINER:	Initial if reference considered, whether or not citation is in conform Draw line through citation if not in conformance and not considere Include copy of this form with next communication to Applicant.	ance with MPRP \$609.			

3.42(1)	1.			, N	0.335 P.	.36
	• •			1		Page 3 of 6
			Attorney Docket:	Serial)	No.:	
			2458-4042US5	10/019		
FORM PTO	D-1449		Applicant:		·	
THEODY CAMPON NECT	ACTION OF A	r.c. 17	DENTON, et al.			
INFORMATION DISCL	OSURE CITAT	ION	Filing Date:	Group	Art Unit:	
			December 21, 2001	TBA		
EP 0408188A2	1/16/1991	EP				Yes No
EP 0408188A3	1/16/1991	EP				Yes No
EP 0408188B1	1/16/1991	EP				Ycs No
EP 0449494A2	10/2/1991	EP			<u> </u>	Yes No
EP 0449494A3	10/2/1991	EP			<u> </u>	☐ Yes ☐ No
EP 0449494B1	8/25/1999	EP			<u> </u>	Yes No
EP 0474944A2	3/18/1992	EP				Yes No
EP 0474944B1	7/16/1997	EP				Yes No
EP 0481286A2	4/22/1992	EP				Yes No
EP 0481286B1	4/9/1997	EP				Yes No
EP 0494907B1	5/15/1996	EP				Yes No
EP 0612846A1	8/31/1994	EP				Yes No
EP 0612846B1	8/16/2000	EP				Yes No
EP 0673523B1	2/10/1999	EP				☐ Yes ☐ No
EP 0812922A2	12/17/1997	EP			<u> </u>	☐ Yes ☐ No
THE RESERVENCE OF THE PROPERTY	опосония постанувания —	- John Scholaman (1982)	ACTION OF SALEKARIAN TO SA	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	OTTO COLUMN THE SERVICE OF THE PROPERTY.	Parina de Carlos III.
	RDOCEMENT	5 (Include		ijueni Papeis, i		A SAME
			l Address – Making Genon			
	., <i>1996 ASAG I</i> , Vol. 64, pp. 1-13		i Agaress – Making Genon	nic Medicine d I	teamy , <u>Amer</u>	ican Journal Of
			ed Recovery from Murine	Visnaeni Leisha	aniosia ¹³ T Dh	900
Pharmacol. 1994		nug-inauc	eu recovery from murine	Notes at the session	muma, J. Pu	Witte
		Trich Cyctic	Fibrosis Database", Jour	nal of Medical	Genetics Vol	32 pp. 972c
975, July 1995.			. 2 po. 00/p & p. 1222 200 ,		2020440, 1 0,0	55, PF , 572
	"A Class of Popul	ation Gene	tic Questions Formulated	as the Generaliz	ed Occupancy	Problem".
Genetics, July 19	93, 134:953-958		2			,
Chiano et al. "Fin	ne Genetic Mappi	ng Using L	(aplotype Analysis and the	Missing Data F	roblem", Ann.	Hum. Genet.,
1998, 62:55-60.		- •		J	•	
			and Population Genetic I			
Variation in Hun	nan Lipoprotein L	ipase", <u>An</u>	erican Journal of Human (Genetics, Vol. 6	3, pp. 595-612	, 1998.
		Implotypes	from PCR-amplified Samp	les of Diploid 1	opulations", <u>N</u>	Aol, Biol.
Evol., 7(2):111-1	22, 1990					
		ialysis of H	luman Y Microsatellite Haj	plotypes", <u>Hum</u>	an Molecular C	tenetics, Vol. 5,
No. 11, pp. 1759.		****		· · · · · · · · · · · · · · · · · · ·		
		ood from l	ncomplete Data via the El	M Algorithm", <u>J.</u>	Statistical Soc	icty, Vol. 39,
No. 1, pp.1-38, 1	977					
			es Antigenes HLA A et B C	hez 63 Patients	Attemts de Po	iyarinrite
	vuo du Rhumatisi				-/	
			cion beta 2-adrenergic reco oc. Natl. Acad. Sci. 97(19)		atter receptor	expression
			Relatives into a Test of Lin		uniscent? Arm T	Hum Canat
62:171-180, 1998		morypes of	resustres saw a rest of La	wase wasdanu	, <u></u>	Franti Conor
		ood Ratima	tion of Molecular Haplaty	ne Frequenciae	in a Diploid P	opulation on
Mol. Biol. Evol.,			enter of resorting semples	he s seducioning	.,, a 2 propa 1 c	· Leasure ,
Fisher, Lloyd D.	ct al., "Biostatisti	cs: A Metho	dology for the Health Sci	ences". up. 345.	495, 692-762.	John Wilev &
Sons, Inc.			· · · · · · · · · · · · · · · · · · ·	i FE - IF	7 4 100) = = - · · · · · · · · ·
Evaminer			Data Considered			
= 247717100			I I I I I I I I I I I I I I I I I I I			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPRP \$609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Pa	ge	4	of	Ć

17/0	DM	PTO	-1449
	TO VI	. F I U	-1447

INFORMATION DISCLOSURE CITATION

Attorney Docket: 2458-4042US5	Serial No.: 10/019,342	
Applicant: DENTON, et al.		
Filing Date: December 21, 2001	Group Art Unit: TBA	

	OTHER DOCUMENTS (Including States) value Date. Pertuent Papers, etc.)
经产品 計畫 (1) (1) (1) (1)	Gene et al., "Haplotype Frequencies of Eight Y-chromosome STR loci in Barcelona (North-East Spain)", International Journal of Legal Medicine, Vol. 112, pp. 403-405, 1999.
	Hartl, Daniel L. et al., "Genetic and Phenotypic Variation", Principles of Population Genetics, pp. 37-109, Singuer
,	Associates Inc. 3 ed.
	Hawley et al., "HAPLO: A Program Using the EM Algorithm to Estimate the Frequencies of Multi-site Haplotypes",
	J. of Heredity, 86(5), pp. 409-411, 1995
	Hill et al., "Human Genetic Variation and Its Impact on Public Health and Medicine", pp.62-74
	Hill, "Tests for Association of Gene Frequencies at Several LOCI in Random Mating Diploid Populations", Biometrics, 31, 881-888, 1975
	Hosne, Liem et al., "PAH Mutation Analysis Consortium Database: A Database for Disease-Producing and Other
	Allelic Variation at the Human PAH Locus", Nucleic Acids Research, Vol. 24, No. 1, pp. 127-131, 1996.
	Jackson et al., "Pharmacokinetic-Pharmacogenetic Modelling in the Detection of Polymorphisms in Xenobiotic Metabolism", 1990, Ann. Occup. Hyg. 34(6):653-662
	Judosp et al. "The Predictive Power of Hanlotynes in Clinical Response", 2000, pp.1-12
· · · · · · · · · · · · · · · · · · ·	Judson, Richard, "Genetic Algorithms and Their Use in Chemistry", Reviews in Computational Chemistry, Vol. 10,
	Kalow et al., "The Science of Pharmacological Variability: An essay", Clin. Pharma, & Therapeutics, Vol. 66, No. 5, pp. 445-447, 1999
	Kardia et al., "An Evolutionary Perspective on the Genetic Architecture of Susceptibility to Cardiovascular Disease", pp. 231-245
	Kleyn, Patrick W. et al., "Genetic Variation as a Guide to Drug Development", Science, Vol. 281, pp. 1820-1821, September 18, 1998.
	Kwok et al., "Single Nucleotide Polymorphism Libraries: Why and How are We Building Them?", Mol. Med. Today, 1999, Vol. 5, pp. 538-543
	Layton et al., "The Therapeutic Response to D-Penicillamine in Rheumatoid Arthritis: Influence of Glutathione S-
	transferase Polymorphisms", Rheumatology, 1999, 38:43-47
	Long et al., "An E-M Algorithm and Testing Strategy for Multiple-Locus Haplotypes", Am. J. Hum. Genet., 56:799-810, 1995
	MacLean et al., "Estimation of Myriad Haplotype Frequencies", Genetic Epidemiology, 2:263-272, 1985
	Magon, "Pharmacogenetic interactions in G6PD deficiency and development of an in vitro test to predict a drug's hemolytic potential", 1981, Prog. Clin. Biol. Res., 55:709-24
	Matise, T.C., "Genome Scanning for Complex Disease Genes Using the Transmission / Disequilibrium Test and Haplotype-based Haplotype Relative Risk", Genetic Epidemiology, Vol. 12, pp. 641-645, 1995.
	Meyer, Urs A., "Medically Relevant Genetic Variation of Drug Effects", pp. 41-49
	Michalatos-Beloin et al. "Molecular Haplotyping of Genetic Markers 10 kb Apart by Allele-Specific Long Range
	PCR" Nucleic Acids Research, 1996, 24(23):4841-4843.
	Mori, Motomi et al., "Computer Program to Predict Likelihood of Finding an HLA-Matched Donor: Methodology, Validation, and Application", Biology of Blood and Marrow Transplantation, Vol 2, pp. 134-144, October 1996.
	Mori, Motomi et al., "HLA Gene and Haplotype Frequencies in the North American Population", Transplantation, Vol. 64, No. 7, pp. 1017-1027, October 15, 1997.
	Neuman et al. "A Bit about Haplotypes: Using Binary Digits to Code Tightly Linked Loci", Hum. Hered., 1994 44:241-247
	Niu et al, "Bayesian Haplotype Inference for Multiple Linked Single-Nucleotide Polymorphisms", Am, J. Hum,
	Genet., 2002, 70:157-169

Examiner	Date Considered
	1
EXAMINER:	Initial if reference considered, whether or not citation is in conformance with MPEP \$609.
	Draw line through citation if not in conformance and not considered.
	Include copy of this form with next communication to Applicant.

P	age	5	of	1
7	age	_	OT	١

FORM PTO-1449

INFORMATION DISCLOSURE CITATION

Attorney Docket:	Scrial No.:	
2458-4042US5	10/019,342	
Applicant:		
DENTON, et al.		
Filing Date:	Group Art Unit:	
December 21, 2001	TBA	

	OTHER DOGUMENTS (Including Author, Bile Date Perinant Parers at)
1	Olscn et al., "Design and Sample-Size Considerations in the Detection of Linkage Disequilibrium with a Disease Locus", Am. J. Hum, Genet. 1994, 55:574-580
	Perlin Mark et al. "Toward Fully Automated Genotyping: Allele Assignment, Pedigree Construction, Phase
	Determination, and Recombination Detection in Duchenne Muscular Dystrophy". American Journal of Human
	Genetics, Vol. 55, pp. 777-787, June 1994.
	Press, William H. et al, "Numerical Recipes in C: The Art of Scientific Computing", pp. 394-455, Cambridge University Press, 2 od.
	Pich Elaine et al "Artificial Intelligence", pp. 514-519, McGraw-Hill, Inc., 2 ed.
	Ruano et al. "Haplotype of Multiple Polymorphisms Resolved by Enzymatic Amplification of Single DNA Molecules", August 1990, Proc. Natl. Acad. Sci., Vol. 87, pp. 6296-6300
	R & D Directions Staff, "Beyond Genomics", R & D Directions, April 1999 pp. 40-44
	Slatkin et al., "Testing for Linkage Disequilibrium in Genotypic Data Using the Expectation-Maximization
	Algorithm" Hetedity 76:377-383, 1996
	Staessen et al., "M235T Angiotensinogen Gene Polymorphism And Cardiovascular Renal Risk", J. Hypertension, January 1999, 17(1):9-17.
	I.C. Stephons et al. "Hanlotyne Variation and Linkage Diseautlibrium in 313 Human Genes", Science, 2001
	Stephens, J. Claiborne, "Single-nucleotide Polymorphisms, Haplotypes, and Their Relevance to Pharmacogenetics",
,	Molecular Diagnosis, Vol. 4, No. 4, pp. 309-317, December 1999. Stephens et al., "A New Statistical Method for Haplotype Reconstruction from Population Data", Am. J. Hum.
}	Genet., 2001, 68:978-989
<u> </u>	Theyer Ann M. "Riginformatics for the Masses", C&EN, 19-32, 2000
	Tishkoff S. A. et al., "The Accuracy of Statistical Methods for Estimation of Haplotype Frequencies: An Example from the CD4 Locus", American Journal of Human Genetics, Vol 67, pp. 518-522, August 2000.
	Appleby, "Pharmaceutical Labs Exploring Drugs Tailored to Ethnicity, DNA", January 24, 1999, Las Vegas Review – Journal, Section A, p. 26A.
	Birt, "Drugs Industry Predicted to Be 'Microsoft' For the New Millentum", June 1, 1998, Birmingham Post, pg. 29
	"Bursting with Innovation", December 1997, Med Ad News,
	Craig, "Answers for the Toughest Challenges", April 19, 1999; Forbes, Supplement; Special Advertising Section;
	Biotechnology, page 2.
	Debare, "California Spotlight: Incyte plans to conquer DNA mapping within year; Genetics: Part of the plan is to purchase British firm Hexagen for \$41 million", August 23, 1998, The Orange County Register, pg. K01.
	Furuta, "Race to Unlock Genetic Secrets Heats Up in Japan's Laboratories: Analysis of Genes Could Help Create
	Tailor-Made Medicines", November 16, 1998, The Nikkei Weekly, pg. 1 "Genaissance Raises \$10 Million in Private Placement; Accelerates Development of Personalized Medicines Through
	Pharmacogenomics" August 27, 1998; PR Newswire, Financial News Section
	MacGregor, "Delay is Half The Cure: Nova's Merger With U.S. Firm Steps Up Research Aimed at Postponing
,	Alphaimer's Until It No Longer Motters", March 10, 1999, The Gazette (Montreal), Section D1.
	"Mix/Match Analysis of Gene Diversity in Bthnic Cross-Section Aims at Personalized Medicine", 2001, Bloword
	Today, p. 5 Regalado, "Inventing the Pharmacogenomics Business, Part 1", September 1997, In Vivo the Business & Medicino
	Denort n 52
	Sadec, Wolfgang, "Using Genetic Information to Optimize Drug Therapy", Medscape Pharmacotherapy, 2000
· .	"Terrapin and Genaissance Establish Research and Development Collaboration Targeting Drug Candidates Based on Estrogen Receptor Modulators Identified in Genomics Research", February 12, 1998, Business Wire

Examiner		Date Considered
		2000 4700
EXAMINER:	Initial if reference considered, whether or not citation is in conform	ance with MPEP \$609.
	Draw line through citation if not in conformance and not considere	đ.
	Include copy of this form with next communication to Applicant.	

Page	6	οf	6

FORM PTO-1449

INFORMATION DISCLOSURE CITATION

Attorney Docket:	Serial No.:	
2458-4042US5	10/019,342	
Applicant:	•	
DENTON, et al.		
Filing Date:	Group Art Unit:	
December 21, 2001	I TRA	

	OTHER DOCUMENTS Assisting June Author The Page Labrent Papers envis
Daniel State of the State of th	The Genesis Group, "Will Pharmocogenomics Create a \$2 Billion Market?", July 1998, Genesis Report, 8(1); pg 2
	1061-2289
	"Valigon Acquires Berlin-Based Infogon and Phenotype Database", 2000, Worldwide Biotech
	"Variagenics, Inc. Acquires Exclusive Rights To Leading Pharmacogonomic Technologies for Neurological
	Disorders". February 8, 1999, Canada Newswire
	Yasuhara, "Ethnic factors in evaluation of drug efficacy and safety", August 1994, Nippon Yakurigaku Zasshi,
	102(2): 67-78 (English Abstract)
	Text of April 17, 2001 press release re: Classen patent No. 6,219,674
•	

Examiner		Date Considered		
EXAMINER:	Initial if reference considered, whether or not citation is in conform	ance with MPEP §609.	,	
273812122	Draw line through citation if not in conformance and not considered			
	Include copy of this form with next communication to Applicant.		· <u> </u>	